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RAW SEQUENCE LISTING

DATE: 03/12/2002

PATENT APPLICATION: US/10/027,075

TIME: 09:52:17

Input Set : N:\Crf3\RULE60\10027075.raw

Output Set: N:\CRF3\03122002\J027075.raw

SEQUENCE LISTING

- 3 (1) GENERAL INFORMATION:
- 5 (i) APPLICANT: Gray, Gary S. et al.
- 7 (ii) TITLE OF INVENTION: CTLA4-Immunoglobulin Fusion Proteins
8 Having Modified Effector Functions and Uses Therefor
- 10 (iii) NUMBER OF SEQUENCES: 32
- 12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: LAHIVE & COCKFIELD
14 (B) STREET: 60 State Street, suite 510
15 (C) CITY: Boston
16 (D) STATE: Massachusetts
17 (E) COUNTRY: USA
18 (F) ZIP: 02109-1875
- 20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: Floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- 26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER: US/10/027,075
C--> 28 (B) FILING DATE: 20-Dec-2001
29 (C) CLASSIFICATION:
31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: 09/227,595
33 (B) FILING DATE:
35 (viii) ATTORNEY/AGENT INFORMATION:
36 (A) NAME: Amy E. Mandragouras
37 (B) REGISTRATION NUMBER: 36,207
38 (C) REFERENCE/DOCKET NUMBER:
40 (ix) TELECOMMUNICATION INFORMATION:
41 (A) TELEPHONE: (617)227-7400
42 (B) TELEFAX: (617)227-5941
- 45 (2) INFORMATION FOR SEQ ID NO: 1:
47 (i) SEQUENCE CHARACTERISTICS:
48 (A) LENGTH: 43 base pairs
49 (B) TYPE: nucleic acid
50 (C) STRANDEDNESS: single
51 (D) TOPOLOGY: linear
53 (ii) MOLECULE TYPE: cDNA
57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
59 CATTCTAGAA CCTCGACAAG CTTGAGATCA CAGTTCTCTC TAC
- 61 (2) INFORMATION FOR SEQ ID NO: 2:
63 (i) SEQUENCE CHARACTERISTICS:

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RAW SEQUENCE LISTING
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Input Set : N:\Crf3\RULE60\10027075.raw
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64	(A) LENGTH: 46 base pairs	
65	(B) TYPE: nucleic acid	
66	(C) STRANDEDNESS: single	
67	(D) TOPOLOGY: linear	
69	(ii) MOLECULE TYPE: cDNA	
73	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:	
75	CAGCAGGCTG GGCCACGTGC ATTGCGGAGT GGACACCTGT GGAGAG	46
77	(2) INFORMATION FOR SEQ ID NO: 3:	
79	(i) SEQUENCE CHARACTERISTICS:	
80	(A) LENGTH: 46 base pairs	
81	(B) TYPE: nucleic acid	
82	(C) STRANDEDNESS: single	
83	(D) TOPOLOGY: linear	
85	(ii) MOLECULE TYPE: cDNA	
89	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:	
91	CTCTCCACAG GTGTCCACTC CGCAATGCAC GTGGCCCAGC CTGCTG	46
93	(2) INFORMATION FOR SEQ ID NO: 4:	
95	(i) SEQUENCE CHARACTERISTICS:	
96	(A) LENGTH: 46 base pairs	
97	(B) TYPE: nucleic acid	
98	(C) STRANDEDNESS: single	
99	(D) TOPOLOGY: linear	
101	(ii) MOLECULE TYPE: cDNA	
105	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:	
107	TGTGTGTGGA ATTCTCATTA CTGATCAGAA TCTGGGCACG GTTCTG	46
109	(2) INFORMATION FOR SEQ ID NO: 5:	
111	(i) SEQUENCE CHARACTERISTICS:	
112	(A) LENGTH: 78 base pairs	
113	(B) TYPE: nucleic acid	
114	(C) STRANDEDNESS: single	
115	(D) TOPOLOGY: linear	
117	(ii) MOLECULE TYPE: cDNA	
121	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
123	GCATTTTAAG CTTTTCTG ATCAGGAGCC CAAATCTTCT GACAAAACTC ACACATCTCC	60
125	ACCGTCTCCA GGTAAGCC	78
127	(2) INFORMATION FOR SEQ ID NO: 6:	
129	(i) SEQUENCE CHARACTERISTICS:	
130	(A) LENGTH: 20 base pairs	
131	(B) TYPE: nucleic acid	
132	(C) STRANDEDNESS: single	
133	(D) TOPOLOGY: linear	
135	(ii) MOLECULE TYPE: cDNA	
139	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:	
141	TAATACGACT CACTATAGGG	20
143	(2) INFORMATION FOR SEQ ID NO: 7:	
145	(i) SEQUENCE CHARACTERISTICS:	
146	(A) LENGTH: 66 base pairs	
147	(B) TYPE: nucleic acid	
148	(C) STRANDEDNESS: single	

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149	(D) TOPOLOGY: linear	
151	(ii) MOLECULE TYPE: cDNA	
155	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:	
157	GAGCATTTTC CTGATCAGGA GTCCAAATAT GGTCCCCCAC CCCATCATCC CCAGGTAAGC	60
159	CAACCC	66
162	(2) INFORMATION FOR SEQ ID NO: 8:	
164	(i) SEQUENCE CHARACTERISTICS:	
165	(A) LENGTH: 68 base pairs	
166	(B) TYPE: nucleic acid	
167	(C) STRANDEDNESS: single	
168	(D) TOPOLOGY: linear	
170	(ii) MOLECULE TYPE: cDNA	
174	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:	
176	GCAGAGGAAT TCGAGCTCGG TACCCGGGGA TCCCCAGTGT GGGGACAGTG GGACCCGCTC	60
178	TGCCTCCC	68
182	(2) INFORMATION FOR SEQ ID NO: 9:	
184	(i) SEQUENCE CHARACTERISTICS:	
185	(A) LENGTH: 59 base pairs	
186	(B) TYPE: nucleic acid	
187	(C) STRANDEDNESS: single	
188	(D) TOPOLOGY: linear	
190	(ii) MOLECULE TYPE: cDNA	
194	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:	
196	GGGTTTGGG GGGAAAGAGGA AGACTGACGG TGCCCCCTCG GCTTCAGGTG CTGAGGAAG	59
198	(2) INFORMATION FOR SEQ ID NO: 10:	
200	(i) SEQUENCE CHARACTERISTICS:	
201	(A) LENGTH: 56 base pairs	
202	(B) TYPE: nucleic acid	
203	(C) STRANDEDNESS: single	
204	(D) TOPOLOGY: linear	
206	(ii) MOLECULE TYPE: cDNA	
210	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:	
212	CATCTCTTCC TCAGCACCTG AAGCCGAGGG GGCACCGTCA GTCTTCCCTCT TCCCCC	56
214	(2) INFORMATION FOR SEQ ID NO: 11:	
216	(i) SEQUENCE CHARACTERISTICS:	
217	(A) LENGTH: 99 base pairs	
218	(B) TYPE: nucleic acid	
219	(C) STRANDEDNESS: single	
220	(D) TOPOLOGY: linear	
222	(ii) MOLECULE TYPE: cDNA	
226	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:	
228	CGCACGTGAC CTCAGGGGTC CGGGAGATCA TGAGAGTGTC CTTGGGTTTT GGGGGGAACA	60
230	GGAAGACTGA TGGTCCCCCC TCGAACTCAG GTGCTGAGG	99
232	(2) INFORMATION FOR SEQ ID NO: 12:	
234	(i) SEQUENCE CHARACTERISTICS:	
235	(A) LENGTH: 99 base pairs	
236	(B) TYPE: nucleic acid	
237	(C) STRANDEDNESS: single	
238	(D) TOPOLOGY: linear	

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240      (ii) MOLECULE TYPE: cDNA
244      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
246 CCTCAGCACC TGAGTCGAG GGGGCACCAT CAGTCTCCT GTTCCCCCA AAACCCAAGG      60
248 ACACTCTCAT GATCTCCGG ACCCTGTAGG TCACGTGCG
250 (2) INFORMATION FOR SEQ ID NO: 13:
252      (i) SEQUENCE CHARACTERISTICS:
253          (A) LENGTH: 43 base pairs
254          (B) TYPE: nucleic acid
255          (C) STRANDEDNESS: single
256          (D) TOPOLOGY: linear
258      (ii) MOLECULE TYPE: cDNA
262      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
264 CATTCGCTTA CCTCGACAAG CTTGAGATCA CAGTTCTCTC TAC      43
266 (2) INFORMATION FOR SEQ ID NO: 14:
268      (i) SEQUENCE CHARACTERISTICS:
269          (A) LENGTH: 21 base pairs
270          (B) TYPE: nucleic acid
271          (C) STRANDEDNESS: single
272          (D) TOPOLOGY: linear
274      (ii) MOLECULE TYPE: cDNA
278      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
280 GGAGTGGACA CCTGTGGAGA G      21
282 (2) INFORMATION FOR SEQ ID NO: 15:
284      (i) SEQUENCE CHARACTERISTICS:
285          (A) LENGTH: 39 base pairs
286          (B) TYPE: nucleic acid
287          (C) STRANDEDNESS: single
288          (D) TOPOLOGY: linear
290      (ii) MOLECULE TYPE: cDNA
294      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
296 CTCCACAGGT GTCCACTCCG CAATGCACGT GGCCCAGCC      39
298 (2) INFORMATION FOR SEQ ID NO: 16:
300      (i) SEQUENCE CHARACTERISTICS:
301          (A) LENGTH: 39 base pairs
302          (B) TYPE: nucleic acid
303          (C) STRANDEDNESS: single
304          (D) TOPOLOGY: linear
306      (ii) MOLECULE TYPE: cDNA
310      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
312 GAGGTTGTAA GGACTCACCT GAAATCTGGG CTCCGTTGC      39
314 (2) INFORMATION FOR SEQ ID NO: 17:
316      (i) SEQUENCE CHARACTERISTICS:
317          (A) LENGTH: 39 base pairs
318          (B) TYPE: nucleic acid
319          (C) STRANDEDNESS: single
320          (D) TOPOLOGY: linear
322      (ii) MOLECULE TYPE: cDNA
326      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
328 GCAACGGAGC CCAGATTCA GGTGAGTCCT TACAACCTC      39

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Input Set : N:\CrF3\RULE60\10027075.raw
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330 (2) INFORMATION FOR SEQ ID NO: 18:
332 (i) SEQUENCE CHARACTERISTICS:
333 (A) LENGTH: 39 base pairs
334 (B) TYPE: nucleic acid
335 (C) STRANDEDNESS: single
336 (D) TOPOLOGY: linear
338 (ii) MOLECULE TYPE: cDNA
342 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
344 GGCTAGATAT CTCTAGACTA TAAATCTCTG GCCATGAAG 39
346 (2) INFORMATION FOR SEQ ID NO: 19:
348 (i) SEQUENCE CHARACTERISTICS:
349 (A) LENGTH: 73 base pairs
350 (B) TYPE: nucleic acid
351 (C) STRANDEDNESS: single
352 (D) TOPOLOGY: linear
354 (ii) MOLECULE TYPE: cDNA
358 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
360 GGCACCTAGGT CGACTCTAGA AACTGAGGAA GCAAAGTTA AATTCTACTC ACGTTAAC 60
362 TGGGCTCCGT TGC 73
364 (2) INFORMATION FOR SEQ ID NO: 20:
366 (i) SEQUENCE CHARACTERISTICS:
367 (A) LENGTH: 43 base pairs
368 (B) TYPE: nucleic acid
369 (C) STRANDEDNESS: single
370 (D) TOPOLOGY: linear
372 (ii) MOLECULE TYPE: cDNA
376 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
378 GCAGAGAGAC ATATGGCAAT GCACGTGGCC CAGCCTGCTG TGG 43
380 (2) INFORMATION FOR SEQ ID NO: 21:
382 (i) SEQUENCE CHARACTERISTICS:
383 (A) LENGTH: 50 base pairs
384 (B) TYPE: nucleic acid
385 (C) STRANDEDNESS: single
386 (D) TOPOLOGY: linear
388 (ii) MOLECULE TYPE: cDNA
392 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 21:
394 GCAGAGAGAG GATCCTCACT CAGTTAGTCA GAATCTGGGC ACGGTTCTGG 50
396 (2) INFORMATION FOR SEQ ID NO: 22:
398 (i) SEQUENCE CHARACTERISTICS:
399 (A) LENGTH: 107 base pairs
400 (B) TYPE: nucleic acid
401 (C) STRANDEDNESS: single
402 (D) TOPOLOGY: linear
404 (ii) MOLECULE TYPE: cDNA
408 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 22:
410 GGCACTAGTC ATGAAATACC TATTGCCTAC GGCAGCCGCT GGATTGTTAT TACTCGCTGC 60
412 CCAACCAGCG ATGGCCGCAG CAATGCACGT GGCCCAGCCT GCTGTGG 107
418 (2) INFORMATION FOR SEQ ID NO: 23:
420 (i) SEQUENCE CHARACTERISTICS:

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/027,075

DATE: 03/12/2002

TIME: 09:52:18

Input Set : N:\Crf3\RULE60\10027075.raw
Output Set: N:\CRF3\03122002\J027075.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]